IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for manufacturing an aluminum heat exchanger, the method comprising the steps of:

~~obtaining~~ providing a heat exchanger tube by forming a Zn thermally sprayed layer on [[a]] an outer surface of an aluminum flat tube core so as to ~~adjust~~ provide a Zn adhesion amount [[to]] of [[1]] 2 to [[10]] 6 g/m^2 covering 10 to 90% of a total area of the outer surface of the aluminum flat tube;

~~obtaining~~ assembling a heat exchanger core by ~~alternatively~~ alternately arranging the heat exchanger tube and an aluminum fin and brazing the heat exchanger tube and the fin with end portions of the heat exchanger tube connected in fluid communication to respective aluminum headers ~~in fluid communication~~; and

forming a ~~chemical conversion treatment coat~~ [[( ]]corrosion resistance coat[[ )]] on a surface of the heat exchanger core by subjecting the surface of the heat exchanger core to chemical conversion treatment using at least one chemical conversion treatment agent selected from the group consisting of phosphoric acid chromate, chromic acid chromate, phosphoric acid zirconium series, phosphoric acid titanium series, fluoridation zirconium series, and fluoridation titanium series.

Claim 2 (Currently Amended): The method for manufacturing an aluminum heat exchanger as recited in claim 1, ~~wherein~~ further comprising performing a chemical etching treatment [[is]] step ~~performed~~ prior to the chemical conversion treatment [[to]]of the heat exchanger core.

Claim 3 (Currently Amended): The method for manufacturing an aluminum heat exchanger as recited in claim 2, wherein said chemical etching treatment comprises acid cleaning treatment using acidic solution ~~is performed as the chemical etching treatment~~.

Claim 4 (Canceled).

Claim 5 (Currently Amended): The method for manufacturing an aluminum heat exchanger as recited in claim 1, wherein the chemical conversion treatment is performed by using a fluoridation zirconium series chemical conversion treatment agent.

Claim 6 (Currently Amended): The method for manufacturing an aluminum heat exchanger as recited in claim 5, wherein a Zr adhesion amount in the chemical conversion treatment is in the range of ~~adjusted to~~ 30 to 200 mg/m^2.

Claim 7 (Currently Amended): The method for manufacturing an aluminum heat exchanger as recited in claim 1, wherein the tube core ~~contains Cu:~~ comprises 0.2 to 0.6 mass % of Cu and [[Mn:]] 0.1 to 2 mass % of Mn.

Claim 8 (Currently Amended): The method for manufacturing an aluminum heat exchanger as recited in claim 1, wherein the fin is provided with an aluminum fin core, and wherein the fin core comprises ~~contains Zn:~~ 0.8 to 3 mass % of Zn.

Claims 9-12 (Canceled).

Claim 13 (New): The method for manufacturing an aluminum heat exchanger as recited in claim 1, wherein the providing a heat exchanger tube comprises forming the Zn thermally sprayed layer covering 20 to 80% of the outer surface of the aluminum flat tube.

Claim 14 (New): The method for manufacturing an aluminum heat exchanger as recited in claim 6, wherein the Zr adhesion amount is in the range of 60 to 180 mg/m^2.

Claim 15 (New): The method for manufacturing an aluminum heat exchanger of claim 7, wherein the tube core comprises 0.25 to 0.5 mass % of Cu.

Claim 16 (New): The method for manufacturing an aluminum heat exchanger of claim 7, wherein the tube core comprises 0.1 to 0.5 mass % of Mn, or 0.6 to 1.5 mass % of Mn.

Claim 17 (New): The method for manufacturing an aluminum heat exchanger as recited in claim 8, wherein the fin core comprises 2 to 2.8 mass % of Zn.

Claim 18 (New): The method for manufacturing an aluminum heat exchanger as recited in claim 1, wherein said providing a heat exchanger tube comprises forming the Zn sprayed layer only on substantially planar portions of the aluminum flat tube.